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QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>10/091,274</u>	Prepared by <u>NPB</u>	Tracking Number <u>05885310</u>	
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JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	MESSAGE
a. Page Missing	<p><i>On Page 2 and 3 of Amendment filed/dated 9/15/03, last 2 lines are illegible. Please provide missing data.</i></p> <p style="text-align: center;"><i>Shankar</i></p>
b. Text Continuity	
c. Holes through Data	
d. Other Missing Text	
e. Illegible Text	
f. Duplicate Text	
g. Brief Description	
h. Sequence Listing	
i. Appendix	
j. Amendments	
k. Other	
<b>CLAIMS</b>	
a. Claim(s) Missing	
b. Improper Dependency	
c. Duplicate Numbers	
d. Incorrect Numbering	initials <i>MPH</i>
e. Index Disagrees	<b>RESPONSE</b>
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k. Other	initials

**IBM Docket No. JP920010065US1****Amendments to the Claims:**

1. (original) A liquid crystal display device comprising:  
a fluorescent light tube as a light source, and  
a liquid crystal display panel for displaying images by controlling transmission of light from said fluorescent light tube;

said liquid crystal display panel including:

a color filter substrate having color filter layers of red, green and blue,

an opposing substrate opposed to said color filter substrate, and

a liquid crystal material being filled between said opposing substrate and said color filter substrate;

wherein said fluorescent light tube includes a phosphor having luminous efficiency equivalent to 80% and below in comparison with  $\text{LaPO}_4\text{:Ce,Tb}$  as a green phosphor,

a maximum peak of a radiant energy spectrum of said phosphor is included within a spectral transmissive region of said green color filter layer,

said radiant energy spectrum of said phosphor increases virtually continuously concerning points other than said maximum peak within a wavelength region where spectral transmissive regions of said blue and said green color filter layers overlap, and

said fluorescent light tube and said color filter layers have a relation such that a color reproduction region of light emitted from said fluorescent light tube through said color filter layers has an NTSC ratio of 85% or higher.

2. (original) The liquid crystal display device according to claim 1, wherein said radiant energy spectrum of said green phosphor decreases virtually continuously concerning points other than said maximum peak within a wavelength region where spectral transmissive regions of said green color filter layer and said blue color filter layer overlap.

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3. (original) The liquid crystal display device according to claim 1, wherein a wavelength of said maximum peak of the radiant energy spectrum of said green phosphor is included within a wavelength region having transmittance of 90% or higher of maximum transmittance of said green color filter layer.
4. (original) The liquid crystal display device according to claim 1, wherein maximum transmittance of light of said green color filter layer is 55% or higher, and maximum transmittance of light of said blue color filter layer is 40% or higher.
- A 5. (currently amended) A liquid crystal display device comprising a backlight unit and a liquid crystal display panel for displaying images by controlling transmission of light from said backlight unit, wherein said liquid crystal display panel includes:  
a color filter substrate having color filter layers of red, green and blue,  
an opposing substrate that opposes to said color filter substrate, and  
a liquid crystal material being filled between said opposing substrate and said color filter substrate; and  
said backlight unit includes:  
a plurality of cold cathode tubes being disposed on a back surface of said liquid crystal display panel and having any one of  $\text{Zn}_2\text{SiO}_4\text{:Mn}$  and  $3(\text{Ba,Mg,Eu,Mn})0.8\text{Al}_2\text{O}_3$  as a green phosphor, and  
a diffusion plate being disposed between said plurality of cold cathode tubes and said liquid crystal display panel, said diffusion plate being for diffusing light from said plurality of cold cathode tubes;  
wherein said plurality of cold cathode tubes and said color filter layers have a relation in that a color reproduction region of light emitted from said plurality of cold cathode tubes through said color filter layers has an NTSC ratio of 85% or higher